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Dated: August 28, 2003

Signature: Mary Jane DiPalma

(Mary Jane DiPalma)

Docket No.: HUIP-P01-060
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Baron et al.

Application No.: 09/021660

Group Art Unit: 1647

Filed: February 10, 1998

Examiner: L. Spector

For: METHODS OF USING HEDGEHOG PROTEINS
TO MODULATE HEMATOPOIESIS AND
VASCULAR GROWTH

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO NOTICE OF ALLOWANCE/ALLOWABILITY

In reply to the Notice of Allowance and Allowability that were mailed in connection with the above-captioned case on June 2, 2003, and having confirmation number 4751, enclosed are:

A completed fee transmittal form PTOL-85;
Payment of the Issue and Publication Fee, and advanced order 10 copies as noted on the accompanying Fee Transmittal;
20 sheets, 17 Figures of Formal Drawings;
a Submission of Formal Drawings; and
a Supplemental Amendment.

The Commissioner is hereby authorized to charge \$1,630.00 in payment of the issue and publication fee and advance order of 10 copies to our Deposit Account No. 18-1945, under Order No. HUIP-P01-060. Please charge any additional fees or credit any overpayments to our Deposit Account No. 18-1945.

Dated: August 28, 2003

Respectfully submitted,

David P. Halstead

David P. Halstead, Ph.D.

Registration No.: 44,735

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#B

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,630.00

Complete if Known

Application Number	09/021660
Filing Date	February 10, 1998
First Named Inventor	Margaret H. Baron
Examiner Name	L. Spector
Group Art Unit	1647
Attorney Docket No.	HUIP-P01-060

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit Account

Deposit Account Number

18-1945

Deposit Account Name

Ropes & Gray LLP

The Commissioner is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				(\$)	0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		-20** =		x		=	
Independent Claims		-3** =		x		=	
Multiple Dependent						=	

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	1,300.00
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)				1504 Publication fee for early, voluntary, or normal publication	300.00
				Advanced Order 10 Copies	30.00

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 1,630.00

SUBMITTED BY

Name (Print/Type) David P. Halstead, Ph.D.

Registration No. (Attorney/Agent) 44,735

Complete (if applicable)

Telephone (617) 951-7615

Signature

Date August 28, 2003

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